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FIFTY-EIGHTH ANNUAL MEETING

KANSAS ACADEMY OF SCIENCE

Winfield, Kansas, April 16 and 17, 1926

OFFICERS FOR 1925-1926

J. E. Ackert, Manhattan	President
H. M. Elsey, Pittsburgh, Pa.	First Vice-President
Wm. Goldsmith, Winfield	Second Vice-President
L. D. Havenhill, Lawrence	Treasurer
E. A. White, Lawrence	Secretary
H. H. Nininger, G. H. Bretnall, Roy Rankin, and Hazel Branch,	Additional Members of the Executive Council

PROGRAM

Friday, April 16, 1926

10:00 a. m. Business. Reading of Papers.
1:30 p. m. Business. Reading of Papers.
8:00 p. m. Presidential address by J. E. Ackert. "Biology in the Service of Mankind."

Saturday, April 17, 1926

8:00 a. m. Business. Reading of Papers.

PAPERS SUBMITTED FOR THE FIFTY-EIGHTH SESSION

1. List of the Fungus Flora of Kansas. Elam Bartholomew. (*Fungus Flora of Kansas. Special Bull. Kansas Ag. Expt. Sta., 1927*)
2. Botanical Notes for 1925. Frank U. G. Agrelius.
3. An Example of Specificity of Heat Stimulation. Nellie M. Payne.
4. Ecological Areas in South Dakota. E. C. O'Roche.
5. Longevity in McPherson County. H. J. Harnly.
6. A Colorimetric Reaction of Pectin. H. Werner.
7. The Haskell Till Deposit. Walter H. Schoewe.
8. Erosion Pillars in the Morrison Formation of Garden Park, Colorado. Walter H. Schoewe.
9. Physical Training a Factor in Character building. J. M. McWharf.
10. The Snakes of Franklin County, Kansas, a Check-list of Species with Notes on Feeding Habits and Life Histories. Howard K. Gloyd. (Published in this volume of the Transactions)
11. The Ability of the Textile Fibers to Transmit Ultra-Violet Light. Mrs. Katherine Hess. (*Jour. of Agri. Research. Vol. 35, No. 3, 1927*)
12. A Birds-per-Acre Survey. L. D. Wooster.
13. The Making of a Chromosome Map. Robert K. Nabours. (Included in *Kans. Tech. Bull. 17*, pp. 1-231, 1925)
14. Resistance of Chickens to Parasitism. James E. Ackert.
15. Parasitism, as Affected by a Diet Deficient in the Fat-Soluble Vitamins. Marian Fisher. (Introduced by James E. Ackert) (*Jour. Parasit., Vol. 13, No. 3, 1927 —abstract*)
16. Biological Method for the Disposal of Dairy Wastes. Hazel E. Branch. (Cornell Univ. Agric. Exp. Sta. Bull. 425)

17. Parthenogenesis in the Grouse Locust, *Paratettix texanus* Hancock. Robert K. Nabours and Martha E. Foster.
18. Correlation of the Permian of Southern Kansas and Northern Oklahoma. C. N. Gould.
19. Early Geology of Southern Kansas. C. N. Gould.
20. Relief Map of Cowley County Based on Well Records to the Mississippi Limestone. M. W. Baden.
21. A Preliminary Study on the Inheritance of the Columbian Plumage Pattern in Poultry. Ray Porter. (Introduced by William M. Goldsmith)
22. Inheritance in Poultry as a Basis for the Teaching of Elementary Genetics. William M. Goldsmith.
23. Primary Forces. H. G. Baker.
(Published in this volume of the Transactions)
24. The Role of Euthenics in Eugenics. H. G. Baker.
(Social Science, Southwestern College)
25. The Effect of Pure Oxygen Upon Water Animals. J. Willard Hershey.
(Abstract published in this volume of the Transactions)
26. The Tray System for Insect Collections. Roger C. Smith.
(Published in this volume of the Transactions)
27. The Basal Metabolism of Overweight Female Subjects on Certain Reducing Diets. Neva C. McDonnell and Martha M. Kramer.
28. Sex Ratios in Guinea Pigs. Sumner O. Burhoe.
29. Unusual Ratios in the E. Series in Guinea Pigs. Harold P. Morris.
30. Effects of Cigarette Smoke on Growing Mammals. W. J. Baumgartner.
31. K. S. A. C. Botanical Notes for 1925. F. C. Gates.
(Published in this volume of the Transactions)
32. A Preliminary Study on the Interchange of Soil by Insects. Harry R. Bryson.
33. Dehydration Products of Acetone. Glenn Bickford.
34. A Study of Nitration Products of Several Aromatic Hydro-carbons. Wayne White.
35. Reducing Agents Used on Aromatic Nitro Compounds. Theodore Shull.
36. A Brief History of Chinese Chemistry. Szu Chih Liu.
37. The Coccinellidae of Kansas (Coleoptera). Harry L. Gui.
(Jour. Kans. Ent. Soc., Vol. 1, pp. 2-13, 1928)
38. Kansas Grown Digitalis. L. D. Havenhill.
(Abstract published in this volume of the Transactions)
39. Archaeology of the Cornfields-Hopi Volcanic Buttes' Field.
(Published in this volume of the Transactions)
(b) Stories of the Red Children of the Northwest. Albert B. Reagan.
40. The Fishes of the Salt Marsh of Stafford County, Kansas. Frank Jobes.
41. The Invertebrates of the Salt Marsh of Stafford County, Kansas. Harry Walker.
42. Observations on Young Prairie Dogs. George E. Johnson.
(Jour. Mammal., Vol. 8, pp. 110-115, 1927)

MINUTES OF THE FIFTY-EIGHTH ANNUAL MEETING

The Academy held its fifty-eighth annual meeting at Southwestern College, Winfield, Kansas, April 16, 17, 1926. In addition to the papers on the program of the Academy, twenty papers were presented by members of the Oklahoma Academy. At the usual dinner Friday evening, several talks were made by members from both states.

At the first session Friday morning, the president, Dr. J. E. Ackert, appointed the following committees:

Program: L. Oncley, A. O. Weese, F. C. Gates.

Resolutions: F. U. G. Agrelius.

Auditing: L. D. Wooster, W. B. Wilson.

Membership: E. A. White, Roy Rankin, R. C. Smith, J. W. Hershey, H. K. Gloyd.

Publishing: W. M. Goldsmith, E. A. White.

Press: R. B. Dunlevy.

Parks: J. W. McColloch.

Nominating: R. K. Nabours, Roy Rankin, Hazel Branch.

Necrology: H. J. Harnly, J. T. Willard.

Papers were read to 11:30, when the Academy adjourned to meet at 1:30. Business was taken up at 1:30. The president explained the present plan of the affiliation of the Academy with the American Association for the Advancement of Science whereby the Academy receives fifty per cents per member from the A. A. A. S. instead of a dollar as formerly.

The following amendment to the constitution was then proposed, that section 3, article 2, shall read as follows:

National members shall consist of those who are also members of the American Association for the Advance of Science. Each national member except life members of the Academy shall pay to the American Association for the Advancement of Science, its annual fee and shall pay to the Academy an annual fee of \$1.00. National life members of the Academy shall pay to the American Association for the Advancement of Science its annual assessment.

The classification of members, together with the fees to be paid is as follows:

1. Honorary. No dues.

2. Active:

(1) Local:

(a) Annual, dues \$1.00 per year.

(b) Life, no dues.

(2) National:

(a) Local life, national annual, no dues.

(b) Local life, national life, no dues.

(c) Local annual, national life, dues \$1.00 per year.

Copies of this amendment were then given out so it could be studied until the next day.

A report was made concerning the proposed Rocky Mountain Division of the A. A. A. S. Of 203 circulars sent out, 135 were returned, 133 voting against the proposed division and 2 in favor of it. By motion it was decided that the Kansas Academy of Science should not join the Rocky Mountain Division.

After reading of papers and adjournment, the members who wished joined with several of the citizens in an automobile ride through the nearby oil fields.

At the business meeting Saturday morning, W. A. Cook of Salina, was elected a life member of the Academy.

The president again read the proposed amendment to the constitution. It was adopted by an unanimous vote.

The resolutions committee submitted resolutions extending thanks to the president and faculty of Southwestern College, the Southwestern Science Club, the Chamber of Commerce, and other citizens of the city of Winfield for their very cordial welcome and many courtesies, expressing gratification at the presence of the members of the Oklahoma Academy of Science, and at the presence of an unusually large number of high school faculty members.

The auditing committee reported the books of the treasurer as cor-

rect. The membership committee reported 250 active members and 52 new members.

The following was the report of the nominating committee:

President, H. J. Harnly; first vice-president, Mary T. Harman; second vice-president, L. D. Wooster; treasurer, L. D. Havenhill; secretary, E. A. White; additional members of the executive council, J. E. Ackert, W. B. Wilson, Hazel Branch, Wm. Goldsmith. By motion these nominees were elected.

The necrology committee reported that Dean Sayre and Dr. Keller passed away during the past year.

The secretary reported that several copies of the Transactions had been sent out and much material received. The Academy library is still on the fifth floor of Fraser Hall, but the pamphlets are being moved to the library building and being classified. The books will be moved as soon as more stocks are built. For the last year the interest taken in the Academy, both by members and outsiders, has been greater than ever before.

The meeting adjourned.

E. A. WHITE, Secretary

FIFTY-NINTH ANNUAL MEETING

KANSAS ACADEMY OF SCIENCE

Lawrence, April 15 and 16, 1927

OFFICERS FOR 1926-1927

H. J. Harnly, McPherson	-----	President
Mary T. Harman, Manhattan	-----	First Vice-President
L. D. Wooster, Hays	-----	Second Vice-President
L. D. Havenhill, Lawrence	-----	Treasurer
E. A. White, Lawrence	-----	Secretary
J. E. Ackert, Hazel Branch, W. B. Wilson and Wm. Goldsmith,		
	-----	Additional Members of the Executive Council

PROGRAM

Friday, April 15, 1927

10:00 a. m. Business. Reading of Papers.
1:30 p. m. Business. Reading of Papers.
8.00 p. m. Presidential Address by H. J. Harnly: "Longevity and Other Matters."
Address by Dr. Kurtz: "The Scientific Method."

Saturday, April 16, 1927

8:30 a. m. Business. Reading of Papers.